

ABSTRACTMETHOD AND DEVICE FOR NOISE REDUCTION

5                   The present invention is related to a method  
to reduce noise in a noisy speech signal, comprising the  
steps of

- applying at least two versions of the noisy speech  
signal to a first filter. The first filter outputs a  
10 speech reference signal and at least one noise reference  
signal,
- applying a filtering operation to each of the at least  
one noise reference signals, and
- subtracting from the speech reference signal each of the  
15 filtered noise reference signals.

The filtering operation is performed with filters having  
filter coefficients determined by taking into account  
speech leakage contributions in the at least one noise  
reference signal.

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(Figure 3)